# **Ordering Fractions**

This should be very easy for students to complete at this point in the class. All students need to do is a mini jealously game. They do everything the same except they don't add or subtract. After they make the bottoms all the same and give what is needed to the top, they only need to look at the top numbers. Put those top numbers and corresponding fractions in order and you're done.

**Practice Ordering Fractions Problems:** 

• 
$$\frac{5}{16}$$
,  $\frac{3}{8}$ ,  $\frac{7}{18}$ ,  $\frac{11}{32}$ ,  $\frac{2}{6}$ 

• 
$$\frac{10}{27}$$
,  $\frac{1}{54}$ ,  $\frac{16}{81}$ ,  $\frac{11}{24}$ ,  $\frac{2}{3}$ 

# Changing between fractions and decimals

If given a fraction, it's just division. Have the fraction fall over and do long division. If given a decimal, read the decimal correctly to "reveal" the fraction and then do a war game to simplify.

**Practice Converting Problems:** 

- Change  $\frac{5}{16}$  into a decimal
- Change .045 into a fraction

# Order of Operations with Fractions and Decimals

Only thing special about these problems is that they contain both fractions and decimals in the same problem. Have students change all decimals to fractions and then complete as normal.

Practice Order of Operations problems:

• Simplify: 
$$\sqrt{1\frac{23}{121}} - 3.8 \div 8.8 + \frac{7}{66}$$

• Simplify: 
$$.8(3.4 - \frac{6}{10}) + \sqrt{2.89} + 2.862 \div .36$$

• Simplify: 
$$.145 \div \frac{28}{33} \cdot \frac{70}{18} + .7 - (\frac{5}{6} - .2)^0$$

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### Teaching Notes For Homework #16

## **Ratios and Rates**

Ways to write: 8 to 3, 8 for 3, 8 per 3, 8:3, and  $\frac{8}{3}$ 

## We will only use the fraction form!

Units are very important because the ratio has no meaning without them. You MUST write the words in your final answer.

#### **Practice Ratio Problems:**

- There are 24 people in a class and 18 of them are girls. What is the ratio of boys to girls?
- You go on a 360-mile trip and use 24 gallons of gas. What is the ratio of miles per gallon?

Rates are special kind of ratio involving time. Time always goes on the bottom!

#### **Practice Rate Problems:**

• It takes Caleb 48 minutes to read 64 pages in a book. What's his rate?